

Amendments to the Claims

1. (canceled)

2. (currently amended) The apparatus of claim [1] 6 wherein the linear path passes through the sensors corresponding to the at least three distinct spectral regions within a disk, centered at the first sensor and having a radius not larger than five times the center to center spacing of the block of sensors.

3. (currently amended) The apparatus of claim [1] 6 wherein each of the sensors corresponding to one of the spectral regions in blocks not adjacent to an edge of the two-dimensional array is adjacent to a sensor corresponding to the same spectral region.

4. (canceled)

5. (currently amended) The apparatus of claim [1] 6 wherein the number of different spectral regions is 4, the spectral regions being denoted by C(cyan), M(magenta), Y(yellow), and G(green), and the sensors are arranged in a cyclic pattern of permutations of rows or columns

6. (currently amended) ~~The apparatus of Claim 4~~ An apparatus for recording an image, said apparatus comprising a two-dimensional array of sensors each for detecting light intensity in one of at least three distinct spectral regions, the array comprising at least one block of sensors, each block having equal numbers of sensors corresponding to each of the distinct spectral regions, wherein the sensors in the at least one block are arranged such that any linear path within the array passing through a first sensor, passes through sensors corresponding to each of the at least three distinct spectral regions, wherein the number of different spectral regions is 3, the spectral regions being denoted by R(red), G(green), and B(blue), and the sensors are arranged in a cyclic pattern of

permutations of rows or columns, wherein the pattern of rows and columns comprises four rows and three columns, wherein a first row of the pattern orders the sensors having a R sensor first, a G sensor second, and a B sensor third, a second row of the pattern orders the sensors having a B sensor first, a R sensor second, and a G sensor third, a third row of the pattern orders the sensors having a G sensor first, a B sensor second, and a R sensor third, and a fourth row of the pattern orders the sensors having a B sensor first, a R sensor second, and a G sensor third.

7. (canceled)

8. (new) An apparatus for recording an image, said apparatus comprising a two-dimensional array of sensors each for detecting light intensity in one of at least three distinct spectral regions, the array comprising at least one block of sensors, each block having equal numbers of sensors corresponding to each of the distinct spectral regions, wherein the sensors in the at least one block are arranged such that any linear path within the array passing through a first sensor, passes through sensors corresponding to each of the at least three distinct spectral regions, wherein the pattern of rows and columns comprises three rows and four columns, wherein a first row of the pattern orders the sensors having a C sensor first, a M sensor second, a Y sensor third, and a G sensor fourth, a second row of the pattern orders the sensors having a G sensor first, a C sensor second, a M sensor third, and a Y sensor fourth, and a third row of the pattern orders the sensors having a Y sensor first, a G sensor second, a C sensor third, and a M sensor fourth.

9. (new) The apparatus of claim 8 wherein the linear path passes through the sensors corresponding to the at least three distinct spectral regions within a disk, centered at the first sensor and having a radius not larger than five times the center to center spacing of the block of sensors.

10. (new) The apparatus of claim 8 wherein each of the sensors corresponding to one of the spectral regions in blocks not adjacent to an edge of the two-dimensional array is adjacent to a sensor corresponding to the same spectral region.

11. (new) The apparatus of claim 8 wherein the number of different spectral regions is 4, the spectral regions being denoted by C(cyan), M(magenta), Y(yellow), and G(green), and the sensors are arranged in a cyclic pattern of permutations of rows or columns